

PROJECT SPACE
SIMULATION
VISUALIZATION

Santa Fe Complex is a project-based workspace. It has three strategic goals that guide its effort:

- ✦ Create virtual and physical spaces to foster the application of advanced computational tools, including complexity science, to artistic creation, education, problem solving, group development, and conflict resolution.
- ✦ Provide the leadership, scientific expertise, infrastructure and technological tools needed to support applied complexity science; and
- ✦ Educate the public and the scientific community about the use of complexity science to solve real world problems, enhance economic & artistic growth, and support social cooperation.

To learn how you can support SFC or participate in its activities, contact:

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Santa Fe Complex (noun): a virtual and physical space where non-scientists and scientists work together in cross-disciplinary teams on projects and issues in education, problem solving, group development, artistic creation, and intergroup conflict resolution.

(verb): the act of engaging in exciting, innovative and fulfilling research in:

Analytic Journalism • Digital Urban Studies

Data Indexing

Policy and Strategy Development

Complexity Science

Disaster Preparedness and Avoidance

Grass-Roots Processes • Land-Use Planning

Sustainable Engineering and Design

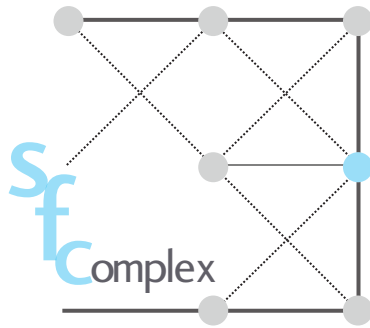
Metabolic Diseases • and more ...



SANTA FE COMPLEX
OPENING MARCH 2008

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Santa Fe has been a magnet for explorers and dreamers since it was founded 400 years ago. Its frontier spirit continues for a new generation of explorers who study the complexity of human and natural systems and use that understanding to solve contemporary problems.

Santa Fe Complex provides a workspace for these modern-day adventurers. It blends virtual and physical spaces with state-of-the-art resources to support high-tech, artistic, public sector and educational activities. Far more than chairs and desks — though these will be available, too — the Complex provides high-speed networking, video projection, and multimedia tools that offer real-time scenario analysis and the latest human-computer interaction technology. The complex emphasizes problem-solving through complexity science and other advanced computational methods.

Complexity science is an inclusive term for multiple-agent, non-linear, iterative and interactive simulation and modeling. Santa Fe is home for a network of complexity scientists who work on complexity-related investigations from Venice, Italy to Havana, Cuba. Santa Fe Complex expands Santa Fe's well-deserved reputation as an innovation hub through an association of concerned citizens, policy makers and scientific practitioners.

The complex also emphasizes building for the future by educating students from mid-school through college levels. It will work with local educational and youth-oriented organizations to offer specialized training in computer workflow, complexity science and collaborative problem solving. With a mixture of credit- and interest-based programs, the complex will provide a hands-on experience for tomorrow's leaders and scientists.

Santa Fe Complex will open its facility at 632 Agua Fria in spring, 2008. The newly remodeled building, once an engine repair station for the railroad spur from Lamy, will include voice and data communications, audio-visual equipment, workspaces with desks and furniture, and gathering areas.

Santa Fe Complex operates in the tradition of the Renaissance *bottegas* that nurtured Leonardo da Vinci and Michelangelo. A fountain of innovation and creativity, the complex is:

... a workshop engaged in a craft, in building the tools and discovering the techniques that advance and support the craft, and teaching that craft to apprentices,

... noisy with multiple projects and activities; walls and benches covered with the works of masters and students,

... stocked with the tools of the craft (add computers and digital displays to the easels, brushes, hammers, chisels, and kilns in the Renaissance bottega),

... an intellectual "must visit" center for masters, scientists and thinkers, overseen but not managed by local masters and journeymen, and

... a multi- and inter-disciplinary intersection between theory and practice.

